

WISCoding for EXSBy CWMe Date 11-24-59 Page 1 of 2

FLOW ORDER		X	TYPE	HEXADECIMAL			
#	#			A	B	C	#
				[] $r = E^b$ []	[]	L+Z	/ o b r p
				[]	[]	[]	
		25	E	LO [b]	[] ^{25,12}	[]	001 019 1 35f 19c 004
		13	E	LO [r]	[] ^{1,12}	[]	2 00d 1 35f dlc 01a
		1	E	LO [p]	[] ^{1,12}	[]	3 00d 1 35f 01c 01b
			A	b [] +0 []	→ b []		4 / 8 () 3ff 35f
			D	b [\] $\ln 2$ []	→ ψ []		5 / 3 \ 01f 35e
			TNA	[] ²⁵⁴⁹⁹⁹⁹ -141 []	[]	[]	6 / f 020 \ 01c
				[]	[]	[]	
			A	$\frac{1}{2}$ [] +0 []	→ 2^i []		7 / 8 3f8 3ff 35d
			AA	141 [] $2^{40}(2^i + 2^{40})$	→ ψ []		8 / 9 35e 021 35c
		1	E	ψ []	[] ^{41,8}	→ 2^i []	9 001 1 \ 298 35d
			S	ψ [] $-2^{40}(2^i + 2^{40})$	→ i [\]		a / a 35c 021 \
			M	i [\] $\ln 2$ []	→ i $\ln 2$ [\]		b / 2 \ 01f \
			SA	1b1 [] $-i \ln 2$ [\]	→ 1f1 []		c / b 35f \ 35e
				[]	[]	[]	
			A	0 [] +0 []	→ n []		d / 8 3ff 3ff 35c
			A	1 [] +0 []	→ S_n []		e / 8 3fe 3ff 35a
			A	1 [] +0 []	→ T_n []		f / 8 3fe 3ff 359
			A	n [] +1 []	→ n []		010 / 8 35c 3fe 35c
			A	S_n [] +0 []	→ S_{n+1} []		1 / 8 35a 3ff 35b
			M	T_n [] $\cdot 141$ []	→ [\]		2 / 2 359 35e \
			D	$T_n 141$ [\]	÷ n []	→ T_n []	3 / 3 \ 35c 359
			A	S_{n+1} [] + T_n [\]	→ S_n []		4 / 8 35b \ 35a
			TN	S_{n+1} [] - S_n [\]	[]		5 / e 35b \ 010

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FLOW ORDER							HEXADECIMAL					
#	#	X	TYPE	A	B	C	#	X	T	A	B	C
			M	2^i [] e^f [] $\rightarrow r$ []			016	/	2	35d	35a	35b
			TN	0 [] - b []			7	/	e	3ff	35f	01a
			D	1 [] $\div r$ [] $\rightarrow r$ []			8	/	3	3fe	35b	35b
			NOP	[]	[]	[]	9	/	4	/	/	/
			A	r [] + 0 [] \rightarrow [r]			a	/	8	35b	3ff	()
			TU	[]	[]	[β]	b	/	5	/	/	()
				[]	[]	[]						
			TN	0 [] - b []	OVERFLOW	[HALT]	c	/	e	3ff	35f	3e8
			A	0 [] + 0 []	UNDERFLOW	$\rightarrow r$ []	d	/	8	3ff	3ff	35b
			TU	[]	[]	[]	e	/	5	/	/	01a
				[]	[]	[]						
		constant	{	$\ln 2$ []	[]	[]	f	/	b	172	17f	7d2
	$2^{54}.9999$ []			[]	[]	D20	008f	eff	fff	fff		
	$2^{40}(2^{-3} + 2^{-40})$ []			[]	[]	1	0288	/	/	001		
	[]			[]	[]							
				[]	[]	[]						
		op stop	{	$20 + b - ff$ []	[]	[]	35f					
	$4 + 1f$ [] -			[]	[]	e						
	$2^i +$ []			[]	[]	d						
	$5 + n$ [] -			[]	[]	c						
	$S_{n-1} + r$ [] -			[]	[]	b						
	$S_n +$ []			[]	[]	a						
	$T_n +$ []			[]	[]	9						
				[]	[]	[]						
				[]	[]	[]						

EXS

2.01.02

$$r = e^b$$

$$b = i \ln z + f$$

$$r = e^{|b|}$$

$$|b| = |i| \ln z + |f|$$

$$\frac{|b|}{\ln z} \rightarrow i + f'$$

$$|b| - i \ln z = f$$

$$r = e^{|i| \ln z + |f|}$$

$$= e^{|i| \ln z} e^{|f|}$$

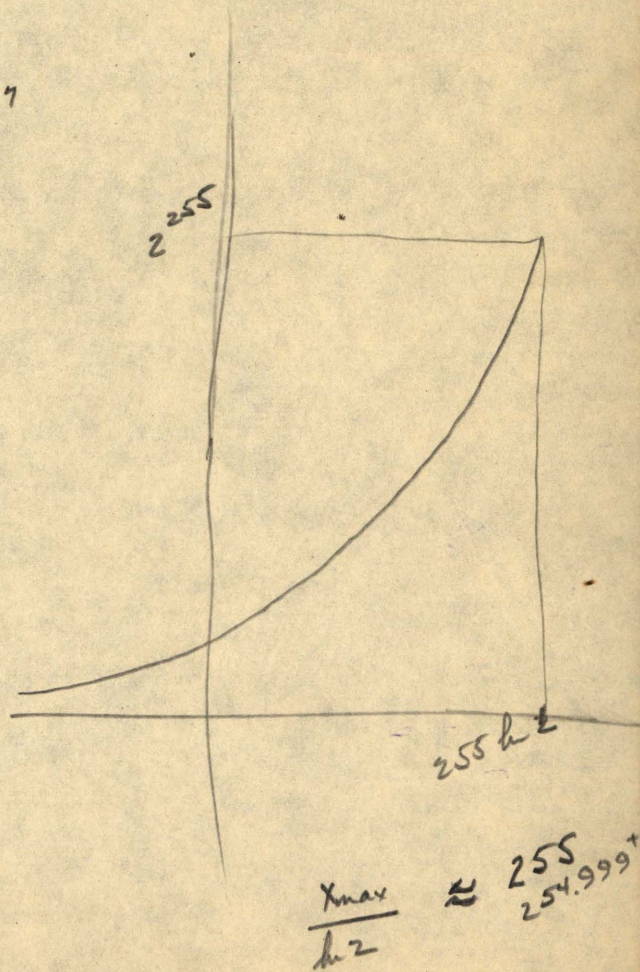
$$= 2^{|i|} e^{|f|}$$

$$= 2^{|i|} \sum_{n=1}^{\infty} 1 + \frac{|f|^n}{n!}$$

$$S_0 = T_0 = 1$$
$$n=0$$

$$T_n = \frac{T_{n-1} \cdot f}{n}$$

$$S_n = S_{n-1} + T_n$$



$$\frac{x_{\max}}{\ln z} \approx 255$$
$$254.999^+$$

2.01.02
EXS

00000010213e8,
019135f19c004,
00d135f01c01a,
001135f01c01b,
00080003ff35f,
000380001f35e,
000f02080001c,
00083f83ff35d,
000935e02135c,
001180029835d,
000a35c021800,
000280001f800,
000b35f80035e,
00083ff3ff35c,
00083fe3ff35a,
00083fe3ff359,
000835c3fe35c,
000835a3ff35b,
000235935e800,
000380035c359,
000835b80035a,
000e35b800010,
000235d35a35b,
000e3ff35f01a,
00033fe35b35b,
0004000000000,
000835b3ff000,
0005000000000,
000e3ff35f3e8,
00083ff3ff35b,
000500000001a,
000b17217f7d2,
008fefffffffff,
0288000000001,

EXS
Master
Tape
11-28-59
CWMc